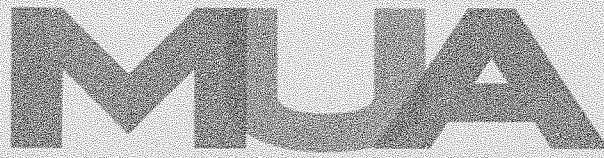


The
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UNDERGRADUATE UNIVERSITY EXAMINATIONS - DECEMBER 2013

SCHOOL OF MANAGEMENT AND LEADERSHIP

DEGREE OF BACHELOR OF MANAGEMENT AND LEADERSHIP

UCU 103: INTRODUCTION TO LOGIC AND CRITICAL THINKING

DATE: 20TH DECEMBER 2013

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question ONE is compulsory.
5. Answer any other **THREE** questions.
6. Question one carries **25 MARKS** and the rest carry **15 MARKS** each.
7. Write all your answers in the Examination answer booklet provided.

QUESTION ONE

Read the following passage and then answer the questions that follow.

The emergency room was unusually quiet early that morning, and rounds promised to be brief. "You have only one patient," said the doctor I was relieving. "He's a real winner, though. He's basically unresponsive, but I can't find anything wrong." Well, you know," I said dryly, "when a patient's in a coma, there is usually a problem." "Look, I know it sounds weird, but all the tests are coming back normal. I am beginning to think the guy's faking. Well, not faking exactly. But I am beginning to think the problem's psychiatric. Hey, if you find something else, more power to you—you are a better doc than I am." And with that, he was out the door.

When I Stopped by Mr. Gerard's room, I found a handsome man in his early thirties lying motionless in bed. His eyes were closed and perfectly still; his arms lay crooked at his sides. When I pulled down his sheet I was slightly surprised to find his feet crossed at the ankles. He looked so perfectly peaceful, so perfectly asleep, that I suspected this coma business was some kind of practical joke. I tapped his arm and whispered to try to wake him up but he couldn't.

REQUIRED

- a) Explain the mental processes that the author was going through while assessing the "coma business of his client". (10 marks)
- b) Discuss the ancillary skills that the author needed to perform her task of assessing her client's condition. (10 marks)
- c) Explain possible reasons that may make the author not able to arrive at the right conclusion about her client's conditions. (5marks)

QUESTION TWO

- a) Explain the six forms of arguments based on **inductive logic** . (6marks)
- b) With relevant examples, explain how the following use logic to advance their mission/work
 - I. High court judges.
 - II. Doctors.
 - III. Researchers. (9marks)

QUESTION THREE

Using any two methods, prove the validity of the following categorical syllogisms "All local brews are dangerous concoctions because it is false that some local brews are not dangerous concoctions". (15 marks)

QUESTION FOUR

- a) With relevant examples, explain the fallacy of slippery slope. (6marks)
- b) Discuss the importance of logic and critical thinking to the following?
 - I. Students in management related studies.
 - II. Entrepreneurs.
 - III. Trade unionists. (9marks)

QUESTION FIVE

- a) Explain the following terms as used in logic.
- I. Cognition.
 - II. Mental set.
 - III. Creativity.
 - IV. Trial and error. (8marks)
- b) Reduce the following categorical preposition into its standard form; stating its letter name, quantity, quality and terms distributed
 "Some trade spies are not masters at bribery". (7marks)

QUESTION SIX

- a) Define the term deductive argument. (2marks)
- b) Wambia has trouble sleeping. In order to determine the cause, she decided to take note of her pre-bedtime behavior over the course of a week. On Monday she drank true tea, had a late dinner, took a hot bath, read from a book, took a walk, and she slept well. On Tuesday she took a glass of wine, read from a book, and slept poorly. On Wednesday she drank a glass of wine, got a message, took a walk, and slept poorly. On Thursday she had a late dinner, drank a glass of wine, read from a book, took a hot bath, got a message, and slept well. On Friday she read from a book, drank true tea, got a message, had a late dinner, took a walk, and slept well. On Saturday she drank a glass of wine, got a message, took a walk, drank true tea, took a hot bath, had a late dinner and slept well. On Sunday she read from a book, took a hot bath, drank true tea, and slept poorly.

With the help of a well labelled table; determine the cause of her sleeping well.
 (13marks)

